No 1 De Chapman Papel March 2. 1829 An Epay acute Stage of Dysentery Submitted to the Medical Faculty University of Pennsylvania For the degree of Doctor of Medicine -By Orlands Fairfax Virginias -March - 1829 -







By the ancients the term dysentery, as we might be led to suppose from the etymolo-- gy of the word, was applied to several diseases of the intestinal eanal; by modern writers it has been restricted to a single affection, defined, in Caldwelles Cullen, to be "a disease in which the patient has fuguent stools, accompanies with much griping, and follower by a tenumus. The stools, though fuguent, are generally in small quantities, and the matter voides is chiefly mucus, sometimes mixed with blood. At the same time the natural faces seldom appear, and when they do, it is generally in a compact and hardened from "-

Systematy prevails chiefly in warm elimates, and generally makes all appearance in the latter hart of the summer and in autient A few instances are accorded of its prevailing as



an opidemie in aprimo, and assulines it has been herenn to continue from the fall for a quatic part of the winder; but generally it is afected by the approach of winter. It is aft too to prevail when the early part of the reason has been remarkably wearm and accepted by a long continuance of wet weather.

Those climate also which are characterized by great heat during the day, succeeded by coto and damping at night, are precedently favourable to its prevalence.

In most cases of dynamics, the first symptom indicate an affection of the bowels; sometimes a common discretions appears, which grandically perfects to the form of degranticy; at other times there are gripes and paneful storic, successing a little of excitiventy. All the second paneful storic successing a little friend with a lividing of the guite, which as they explored it, clause up their bowels into know and many, initial of grifting pains, which and



from plan to plane, and come at interval, have accute figure one in some particular parts of the belly, which occasion complaints as one one as belly, which exists a some being freely, as in the pleurisey; others with a pain neurology from one hypochondrium to the other, cutting from one hypochondrium to the other, cutting from only of a pain about the petric, with a constant, fuelify, stanning to stirl, with a constant, fuelify, stanning to stirl, thrugh the body is for the most pail, cooker, or discharges nothing but bloody atomic.

In miasmatic countries and situations for counable to the prevalence of from generally, depending frequently beads out with all the agenting frequently beads out with all the agentimes of a general properties, and action this character in its whole course.

Sometimes, when it attack is most suctour, it comes on with mause and romiting attended with great prostration and a weak and frequent pulse.



But however dysentry may commence, after the disease has become july established the train of symptoms is pretty much The same, veing mode . Lied only by the greater or lass intensely of the disease and oy the particular if he which the fever may afeume - as the disease advances, Tho griping and tinesmus are increased, the patient goes frequently to stood but the discharges are ex-· cuclingly small - Together with There symptoms there is generally a total want of digretion, and various indications of duangement of the prima via; sometimes flatuliney exists to such a de-- gree as to constitute a rear tympanitis. There is want of appelite; the mouth is foul, the patient complaining of a bitti taste; the tongue white and covered with tough mucus or rough and dry and sometimes, in the advanced stage of the dis -ease, dark brown or black - Aphtha frequent-- ly appear about the root of the tongue and spread over the internal faceces - The patient



requestly evinces great indunes when the abdomen is prefered -

Accompanying their symptoms there is always more or less jeves. This fever may aparen any observations it will be inflammatry, at others. Typhrid - bentlines it will be continued at others, intermittent or remittent.

The febries symptoms generally accompany the observed messes being the extrete course; especially when it luminate arms in a falal manner. In other cases the febries state a more entirely disappears which the perpendicular symptom, remain for a long time agreement asymptom.

Wilson Philip mentions cases, under Museum of dysentry, where there was no appearance of fever in any stages: but he adds that the affection of the browls was very slight and of short duration; and I am inclined to think. What there cases coils scarcely have been entitled to being as alafeet.



Alools - The matter discharged by about rown much in the course of the disease; sometime it is mucau scheached with blood; amelians the blood constitutes the greater ful Mourau devi, and at others the whole of it. Mourau yet is entirely summend with blood, and in this case the disease has been thereof, and in this case the disease has been thereof.

The natural faces are actained during almost the whole course of the disease; and when they dis appear, they are in the from a small handened balls, which seem is have lain long in the cells of the colon-

In the advanced stage of the disease the store continue beams assisted, and of a dark brown or black crown, with an almost insurportable, a dascross, better -

Smelime there is a discharge of membranes whose of a explinational form resembling a piece of intestine; and frequently small brokes, which



have the appearance of fat or cheer- Pure pur is also sometime found in the stools-

Such are the discharges which usually takes place in degenting; but Sydenham mentiones cases of the disease, where there were no about of any kind -

Nost mertion appearances - When death has occurred early in the disease, the interlines are counts inequality contractes, but if the disease have been of longer standing but you frequently found enlarged, the effect of inential behindred by has been found as much discharged, has been found as much discharged, that the appearance of its culti and even of the ligament which formed them, has been almost intirely obliticatio -

The mucrous coat, particularly of the large inlecture, is always inflammed, since sendines of a reddish colour, and at other times tived, which latter appearance is frequently min



laken for gangrene. His cost is also juguently ulseratio, the ulses sometimes extincing to the otherests
and perforating them. I smittens it is sticked a
with numerous titionals of a hale seed or yellow
orbin, and some of them aloft at their summits;
neumbling small unable. At other time this members
well be found gangrenous and soft in parti, weening
to dispolved into a soft, grunish putied no fithe gangrenous state is not always confined to
the mucrous control but frequently extends to the
when versely but frequently extends to the
when versely they grant of the heart word items,
and, here and these, tender, as if furties:-

ath. Elighem informs ers, that in some instanare he found amalt abufur in the articlar membrane of the peritonium, contiguous to the color and netium; and sometimes the different, early volutions of the intestine addring to each other by their peritonial coat-

The mesentisie glands are generally found enlarged and turned -



Su other viscora of the abelieur are frequently around - The gall bladder though is armelines much dictionaled, and files, with bit of a darker colone than usual; and the liver, softem also pamerias have been found flaccid and enlarged, more assign atminished in size and indusation. They have been found in filter with a baper or gangamens. Causes - For a long lime departup was someworsally thought to be dependent on contaging best of late general the opinion has been almost extensive abandered; at least as respect the ordinary forms of the disease; though it is

still bilimed by sever, that in its appraults from sit is expacted of reproducing study in ordered and its ventilates apartments - or not wish here is not into a long discounting or the marit of this question; duits only expect on the marit of this question; duits only expect on the marit of this question;

valy expects my belief that in a climate and reason favourable to the prevalence of dysen-less, the simple fact of occurring numbers



into the same aparatment, will be found fully adequate a the production of the disease.

Ottmerphical coinfilates, or whaten times to supperfe the outamens and bilinary secretion, are a very
commen cause. Also extra superfix; as usuape purls
commen cause. Also extra superfix; as usuape purls
(An extru change of chief from animal le orgidette,
or vice versa, or from salt must to perh, man also
produce it. Sewar, in his account of the exprently
where however in the Bretish army during a
campaign in Egypt; minimes that many of the
obstruction in the with the disease from concludy includying in the use of fresh multin arm
buffall beef, after having bun confined for a long
time is salt meati-

The name author observes, that in Egypt dink ing immodulity of cote water frequently excite the disease, and that the nations were as well aware of this fast, that they comits drink it only in the smalled quantiles, taking it up in



the palms of their hands -

Systemary prevails also frequently as an epidemic. Singuesies - The only descrit, which discounting can be confronted, is disarched as from diarrobon it is sent times not easily destinguished - ed - Fr. Butter systemating without four and accompanied with the consultion of the natural experiences, which are all land, for some lime, retained in dy senting - Irelimately the distinction is not practically of much impartance.

Seegnosis- We may work in a favourable his immation, when the case is open and instamma very in its early stage; when the jelests symptom as mite, some degree of aptitis womains, and the patient is lettle broubtes with naureaxahm the patient is not very severe nor the stirt very factor; when the constitution, weaknes and any inty are not considerable; and above all when



the patient enjoys sleep, and the skin is soft and moist-

But we have much reason to be alarmed, when great debility attends from the commencement; when a lienterie purging somes on, whatever is taken being paper with little change; when the pulse becomes extremely frequent, small, and inequelar: when the skin is bedevied with esto. exammy, and partial sweats; and when the exbiemilies become coto - And more than wer shouts we be alarmed, when the pain and tenesmus suddenly remit; the anxiety at the sametime increasing, with dark coloured and offensive stools, and a Hippocratic countinance; for we may be africised that mortification has taken

Pathology - Dysentiny consists in an inflummation of the mucous membrane of the alimentary canal, accompanied at ways by disorder in the functions of the liver and



whin - The dividue in the purposality and beliary secretions consistly, and hickory always, present the information of the inservers membrane and may be considered as its proximate access. The wolume of the best for access of the safe prepiers of the secretion of the safe of the interest of the interest of the interest is plathered in the interest courses, and enflammation of the innercous membrane of the interest conact, succeeding by general fever let the same time the distinction of the kiliary accession queen size to involve the interest of the conact inflammation, and indicated the interest of the order of the conact.

com these cases where and in which the symptoms of an affection of the lower bowels do not bone of an affection of the lower bowels do not the observed seas of the disease is still in the administry canal but higher up, in the elements and discomments, who as the inflammation bisvets eleven the canal, the proper appearance symptoms about the market expenditure appenditure app



such cases the disease stone more intimality connect

ed with a depravio state of the biliary accretion.

In a bilth wills. The inflammation extends
from the murous to the inspector contaction which
which increasioning aparenties contraction which
are evinete by the grifting pains, always felt in
the disease. The inflammation sometime extincts
also is the personal each, giving rise to indurinf of the abdomin-

The tinesmus, so vis to pring in dyear, y, is the result of the highly initatio state of the rection -

The perfect discharge of merous fluids is the consequence of the attempts of the inflame museum membrane to relieve start of the membrane to making repets of this membrane instead of security mesons, pour out assume above in large quantities—

The purulint discharge may depend on uleur tim, but not necessarily, for it is a prouticuity



of mucous membranes that, when inflame they secret free even before the inflammation has a wire at the addresses stage.

The aglindrical libes recembling from of intestine, are formed by officiens or reagalable lymph on the surface of in intertures, which accounts for their agreementical form. The lymph is mayer with small quantile of inspipates muches which gives it a greater degree of consistency. The amali choosy or fleshy substitutes are perbably the same in composition.

The acylate are rootines of the natural ; ace, which have tain long in the cells of the colon, or in the unnatural cuvities from by the inequalizer continuous of the intestines are an acceptance of the commentation decome relaxed within by the namipion of the discussion or by mostification.

In those cases related by Sychenham, where there were no discharges of any kind,



the mucus membrane must have been inflame begind the secretary prone -

Swatment. Of the pallotogy which has been given be correct; the chief indicateur in the cure with manifieldly be, to restore the cure with manifieldly be to restore the and sken, and a number the inflammation of the intestinat canal.

The biratment must of accurace be varied. It sent the dispursal forms of the disease. In the inflammatury form, it has been usual until Fre Exapman. Morely and other high authorities to precide the use of all other commedies by that we of the launcit. The latter questiman says, there are very jue cause in which vonesceim may not be sufely resorted to in the communication of the disease. It is in the communication of the disease. It was not to by the authority of the disease.



tropical elementis that whenever bood appear acarming in the stools, whether the fever run high or med, remesection may be empiryed, without the slighted apprehension of Mat buobear debilely? Venesiction, acting on the principal of revulsion, delimines, at nee, The vived from the mesentine vefsels and checks the effusion from the mucous surface of the interine . a general relaxation , ollows - entistinal stree. · tures are removed - scybata and freed accumula. · lions pap off: and the soft rep of the skin with the partial restoration of its secretions, evinces, that there is an approach to equilibrium in the circulation - Ut the same time the system acquires a jull susceptability is the operation of medicines which, reviously is detracting slood we might have administrated in vain -It was the practice of Fr Mosley, to follow

It was the practice of its Mooley, to follow the use of the lanest by an emitie of Specassean ha; but Is Chapman, very properly in my ofunien, limits this practice to these care, so com-



men in miaematic countries, when then are accumulations of bile, and other excitating fluids in the alomach and devolution, giving rise to new see also romiting.

Our most remody is funging. All writins have consumed on the sun of catharter; the only questions which have been against a carrier, and what cootharter arrows to severe. Confinally it the patholog which has been given on they lapse, and in which it was states, that the liver is always more or life in fault, there was always more a life in fault, murewish purgue as it is puriously and and among them calimat seems patientary attempts and the purgative govern on combination with arms other purgative as a shubart.

Caster oil and Epsom salts are used by many ractitiones instead of calomet.

Dr. W. Philip declaws, that, for producing a few discharge from the bowels, he has found no



medicine as effectual as if renewanha given in doess as small as to forward its emetia effect. The
same author aprache favourably of small and repeaks crew of lantauged antimony, as a enthus
the, in those cases when the inflammalony lindency and excitiment are considerable; but he
observes that he exceedess it inflammare a very
good purpose, but on the whole, I perfect calomel, go the wasen before mentions.

lefter we have oner successful in evacuating the entistives, and have reduced the politic symplicise to that pend, whose it will be easily to ever it is too must recort to opinion. Our institution in using opinion is not only by its sectable of the interior of the inter



it with ipreacuants. Instead in this diseases to should never be used alone, as it is in combination much life aft to produce head ach and other disagreeable symptoms, which commitmes follow it exhibition. It may be given in the form it forces founds; or when it is need pay to continue the concentracy of the interior canal, it is the concentracy of the interior canal, it is hapman necomments, that calcined should be added. These formula is as follows.

P. Calom. - gr. XVI Subs. opii - gr. IV Specae - gr. VIIJ - M. & div. in

puter Vij - me every 2 or 3 hours, as necessary. It Chapman says, This is not the most active disphereties we perpet, but ages he fil believe. I geet him eight "it produces effects, at the vision settle more important, it composes initalinately every her more more produced, it composes initalinately every her makes the brustapies which are altigether unifolding the surface, produce which are altigether unifoldingstee.



Practitioners have differed much, as to the extent to which they have carried the use of deaphoretics in this disease; though all have agreed in the meapily of restoring the functions of the skin . Ir. Mosley occiving with elydenham that "dysentery is a fever, sur generis, burned on upon the intistimes, for want of a few and regular puspiration; relied almost exclusively on . The use of sweating for the cure of the decease. The plan may have succeed in the hands of A. M. out we have ex--cellent authority for saying, that in the hands of many other predictions physicians, with whom it received a fair trial, it has repeatedly far - ind. The very fast, that, in some instances, the sweating does not relieve the tinismus, and the hatient has, in a health condition, to go to stool when, unless he be very curefully nursed, and have every convenience around him, he will be very liable to a check of purporation, shouts be sufficient to banish this method from the



practice of armies, and from all places when the stricted attention and best accomposations can not be obtained for the sick-

But although sweating shouts not be ex - clusively relied on, it is always important to keep up, if profesible, a proper degree of action in the outaneous capillaries - For this , unpose, together with our diaphoretic medicines, we shoute adopt such means as will most effectually protect the surface, particularly that of the abolomen, from exposure; for in no other disease is the patient so exquisitely sensitive to the action of colo - Sewar, an author whom I have before quotes, remarks. that "In acci-- dental admission of cole air, or a momentes removal of the accustomed covering, produces sometimes a death-like a hilling, sometimes an acute pain, paping through the abdomin, and striking to the heart"

The most effectival mean which we property



for keeping the body at an uniform limperature is a . Samuel roller applied around it - The manner of ap. -plying this roller, with the excelor effect undling from its use, is well described by the author just mentioned - He directs, that several folds of flamul or a thick piece of flusy hosiery should be applied to the abdomen, and over this a flannel roller should be bound, pretty lightly and in an uniform manner, from the givin nearly to the axilla, and then down again No highly did In Dewar esteem this measure. that he mentions it as the chief of his remedies, and as being in many cases of chionic objecting, competent above is expecting a cure. But he does not, by any means, to mel to the chronic form, but declares it to be apple cable to all the stages, and that generally, the earher it be applied, the more speedy will be the cure But, in order to reap the full advantage of it; il is necessary. That the bandage shouts be applied with great care, so that it may not grow loose and slep up, bearing the lower part of the abdomin back



It was weed with Sunar to commence by making the landage face around one of the thighs, and their having made of fee lurne senal the verye, a carry of to the other thigh, preceding, afterward, to finish by afflying et wind the bridge. To also used amilian an additional step, which paped between the thigh secuing more affectively to keep down the part of the bandage before energical the body, and also to protect the explainity of the return, sung furnished at the part, with a player of evol.

The warm bath has been much praised, in the disease, but it is objectionable, on several prints; as the difficulty of hisping it at pressed prints; as the difficulty of hisping it at present surprise the inconvenience and stanged of taking the future frequently from his best and according to the imperpelling of obtaining a proper in them let . The flavorit burstage property as the winters without it alical and appeals and about on every once suppressed its new years.

Teveral other external applications have veen



found very unfat particularly sixtur. The histor should be used with the name measurem hat se wasting water the free of inflammating action shall have abouted, and should in affliced so as to cover the quality fact of the abdonum.

In some cases resides the general uneasines and occasional griping. which always attend The dis case, there is a juxed pain in some region of the abdomen which recists all our attempts to remove it. This indicates a more decided inflammation in some particular part of the intestines, and here we shall and blisters particularly efficutions. Seeakes and warm formentations to the abdomen have been highly spoken of under similar circumstances. But There are objections which apply to all the three last mentioned remedies namely that the patient musi be somewhat exposed during their application and hat it will be necessary to uneve . The glannel weller which I consider so more important than either of them - Where we do not week to resort is these



means, and where the constitution will bear it, we may juquently attain The same ends by general Blesting.

I shall now say something of the remedies which shouts be directed particularly to the termina and tines mus. The borner of These affections I have said. depends on initation and inordinali contraction of The muscular coal of the orwell. the latter on the initated state of the mucous coal; particularly of that of the rectum. They are both however request is kept up by the same causes, and relieved by The same means - A very common cause is the pre sence of hardened faces. Our best remedy therefore in such a case is an evacuant, as a dose of some purging salt, as castor oil. Fr. Chapman recom mends a combination of Castor oil and laudanum according to the following communia

B. Ol. Niewi - 3/ G. Arab. - 3/ Shawtan - 9th TiX. Ag. Month. 3/ 3p is be given avery 1.2 or 3 hours -



Much relief will frequently neall from the use of anodyne and of ecolony amodism't glysters, as of lauds - num and algorith, or of cold flar seed lia, or of sold was - re. Suches applied round the very sol the answer as we very serviceable. In all cases when law is much however, the answer as the very serviceable. In all cases when law is much however, the answer about to be prefet by a pludgel of week.

The dist in dyembing should consist of mu diagrams substances, such as body water, described of the back of the alippay alm, or described of flar und see.

Such is the irentiment of the acute stage of the accesses, when of the inflammating hand; but when it a furners a typhred character, our beaturest must be, in many neptics different - We must use all the irentiment mentalises, that we may not exclusive the photol fusers, that we may not exclusive the strongest of our patient; and about the survey hand for our patient; and about to the usual climulants in affecting authorit.



But so difficult is it to support the system at the same lime that we are administering the usual remedies for the removal of the disease, that I can not help agreeing with Dr, Chapman, that our best plan is to put the patient, if populle, immediatily under the effect of mercury, inducing a slight salivation; for , whatever may be said of the dan -ger of carrying the use of mercury to this extent, it is certain, that, in dysenting, salivation is the most speedy and infallible mean which we popep, the disease always yielding immediately on the mouther becoming affected - and though in some instances, from the patients happening to be of a scrofulous or scorbutic diathesis, or from some other peculiarity, which we can not comprehend, bad consequences may result; neverthelip whenever there might be the prepring necepity, which exists in the typhoid form of the disease, for putting im-- diate stop to its course, I should advise the pur - suance of this treatment -



membrane brush have been inflamed beyond the secreting point-

Treatment of the pathology which has been given be convert, the chief indication in the cure will manifestly be to extens the healthy seastons of the lever and skin, and healthy seastone of the lever and skin, and in inflammation of the intestinate canal inflammation of the intestinate canal.

to suit the different forms of

Pathology Treatment

Virginia different W. F. Sheet

from given a server the shall write women to information of the land the parties of the comments of the same in the same of the same